ALISON CIRCLE

#49

#61

#62

#63

#50

46 IT

SET MAG NAIL
EL 49.16

REPORTED
LOCATION OF
LEACH FIELD

20000 SF±

BM#3 TOP
OF FNC POST
EL 52.24

EXIS S.T.
UNDER MH

ELEC

CATV

OHE/T

GAR.

BM#2 SET NAIL
BASE 8" OAK
EL 48.49

4 TREES

1000G
SEPTIC
TANK

REMOVE
OR FILL
EXIS TANK

TP #1

TP #2

REMOVE TREES AS NEEDED
FOR ACCESS & INSTALLATION

BM#1 SET NAIL
BROKEN HUB
SET
EL 50.00

#61 AND #62
COMBINED SITE AREA
20000 SF±

HAVEN DRIVE

20000 SF±

Command= 210-
Point#, Start#-End# or G#= 1-100

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
		01-04-2025		13:46:30		D:...\BMHOME6	
		50.00	SETNL**	1	5000.0000	5000.0000	
		49.16	SETMGNL	2	5129.7716	4952.7670	TRA
		48.49	setnail*	3	5033.7922	4991.2765	SS
		48.69	18"oak	4	5040.3989	4990.5039	SS
		48.63	16"oak	5	5047.8974	4994.8824	SS
		49.13	cor#61	6	5076.1369	4973.1880	SS
		48.61	corgar	7	5083.4702	4954.2830	SS
		48.20	corgar	8	5061.8136	4949.0423	SS
		48.23	corgar	9	5065.7049	4933.1836	SS
		48.59	gnd	10	5073.5337	4915.0438	SS
		47.71	rt.5shed	11	5041.6802	4914.6427	SS
		47.96	shedapp	12	5049.0362	4922.0984	SS
		47.87	6hemewds	13	5034.8610	4944.7368	SS
		48.08	cordeck	14	5024.3514	4874.0220	SS
		46.98	cormhse	15	5001.4706	4858.5876	SS
		47.17	gnd	16	4978.7320	4881.2190	SS
		47.03	bs	17	4982.0988	4911.3085	SS
		47.22	bs	18	5008.0663	4911.3663	SS
		47.04	edgwet	19	5025.4117	4926.3613	SS
		47.14	edgwet**	20	5036.1501	4921.5593	SS
		47.25	edgwet**	21	5020.2547	4913.7565	SS
		48.52	edgwdsos	22	5007.1013	4934.8961	SS
		50.07	ts	23	5011.8768	4950.2480	SS
		51.00	ts	24	4997.6694	4948.8130	SS
		51.30	ts	25	4983.1233	4946.9498	SS
		51.48	cormhm	26	4986.9288	4969.4923	SS
		51.20	corstps	27	4992.2835	4984.2486	SS
		50.36	endhvac	28	4994.8288	4996.4016	SS
		50.16	cormhm	29	4993.4430	5035.4792	SS
		49.60	cormhm	30	5016.7267	5067.7868	SS
		50.02	endfnc	31	5038.1184	5058.2694	SS
		49.40	@elec	32	5084.1127	5058.8569	SS
		48.63	endfnc	33	5021.2722	5018.7256	SS
		48.56	endfnc	34	5029.3780	5020.8243	SS
		48.40	corshed	35	5042.4556	5013.9222	SS
		48.50	corshed	36	5054.0579	5017.6297	SS
		49.33	cor#61	37	5065.0106	5020.1103	SS
		51.79	cordk3up	38	5057.9717	5006.5453	SS
		51.74	cordk3up	39	5060.7519	4994.8481	SS
		48.67	corstps*	40	5064.5488	4991.7804	SS
		48.89	edgwlk**	41	5069.7110	4973.9766	SS
		48.69	endpstfc	42	5080.1761	4958.8270	SS
		49.00	endpstfc	43	5077.6711	4968.7283	SS
		48.22	shrub	44	5032.9037	4978.4365	SS
		48.37	tallshrb	45	5034.3110	4962.9187	SS
		48.40	bs?snow	46	5014.6613	4972.5274	SS

JOB #4 524BLEY#61HEM [100]

Bearing	Distance	Elev	Descrip	Pnt.	Northing	Easting	Type
----------01-04-2025-----13:46:30----------						D:...\BMHOME6	
		48.34	bs	47	5017.6387	4994.6577	SS
		48.44	12"hem	48	5028.5855	5006.6550	SS
		48.74	10"oak	49	5038.2082	4998.2121	SS
		48.43	bs	50	5014.0046	5002.8917	SS
		48.99	15"hem	51	5005.8014	5011.4883	SS
		52.24	bmtoppst	52	5077.7711	4968.6288	SS

Point#, Start#-End# or G#= 4-

APPROVAL FOR CONSTRUCTION

CA2008092394 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES CA2008092394
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095 APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: RICHARD/RUTH BLEY
PO BOX 154
MELVIN VILLAGE NH 03850-0154

COPY SENT TO:
BUILDING INSPECTOR
136 WINNACUNNET RD
HAMPTON NH 03842

BY APPLICANT: PERMIT NO. 00346
STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.: 136 / 1-62
Subd. Appvl. No.: 13391
Subd. Name: HEMLOCK HAVEN
County: ROCKINGHAM
Registry Book No.: 3537
Registry Page No.: 1361
Probate Docket No. (If Applicable):
Type of System: N
2 BR
300 GPD
Town/City Location: HAMPTON
Street Location: 62 HEMLOCK HAVEN

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. APPROVED WITH A COMMUNITY WATER SUPPLY ONLY.
2. APPROVAL FOR UNIT 62.

04/09/2008 ERIC J THOMAS

Approved this date: _____ By: _____
N.H. Department of Environmental Services Staff
Date amended: _____ Amended by: _____ (OVER)

REVISED 8/01

200800970

APPLICANT'S

34-60" 2.5Y5/4 SILTY FINE SANDY LOAM, FREE WATER
ESHWT @ 34", OBS H20 @ 34", NO REFUSAL

CA2008092394
REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Signed _____
Date 4-9-08

PT

PERC TEST DATA

PERCOLATION TEST NOT POSSIBLE DUE TO CURRENT SATURATION OF SUBGRADE SOILS
(NOT A DETERMINATIVE FACTOR FOR CLEAN SOLUTION SYSTEM)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED ON THIS CONDITIONAL APPROVAL.

RECEIVED
APR 08 2008
By Subsurface

DESIGN LOADING: TWO EXISTING 2 BEDROOM MOBILE HOMES FOR TOTAL 4 BEDROOMS (600 GPD)

AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS: 200 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 10' X 30' = 300 SF PROVIDED (DISPERSAL AREA)

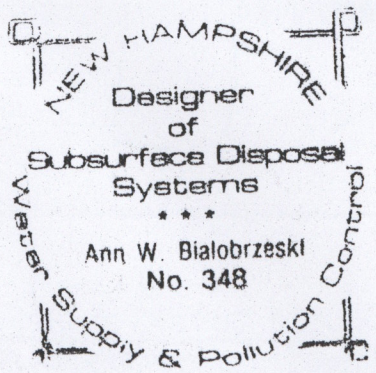
PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM (#61)

LOCUS: #62 AND #61 HEMLOCK HAVEN
HAMPTON, NH

OWNER: RICHARD AND RUTH BLEY
PO BOX 154
MELVIN VILLAGE, NH 03850-0154



APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: MARCH 10, 2008

APPROVAL: _____

524

175.00'

SHALL

ODORS OCCUR,

APPROVAL FOR CONSTRUCTION

CA2008092393 N.H. DEPARTMENT OF ENVIRONMENTAL SERVICES CA2008092393
SUBSURFACE SYSTEMS BUREAU
P.O. BOX 95, 29 HAZEN DRIVE, CONCORD, NH 03302-0095

APPROVAL NO.

THE PLANS AND SPECIFICATIONS FOR SEWAGE OR WASTE DISPOSAL SYSTEM SUBMITTED FOR:

OWNER: RICHARD/RUTH BLEY
PO BOX 154
MELVIN VILLAGE NH 03850-0154

COPY SENT TO: BUILDING INSPECTOR
136 WINNACUNNET RD
HAMPTON NH 03842

BY APPLICANT: PERMIT NO. 00348
STOCKTON SERVICES
PO BOX 1306
HAMPTON NH 03843-1306

Map No./Lot No.:	138 / 1-61
Subd. Appvl. No.:	13391
Subd. Name:	HEMLOCK HAVEN
County:	ROCKINGHAM
Registry Book No.:	3537
Registry Page No.:	1361
Probate Docket No.: (If Applicable)	
Type of System:	N 2 BR 300 GPD
Town/City Location:	HAMPTON
Street Location:	61 HEMLOCK HAVEN

Subsurface waste disposal systems must be operated and maintained in a manner so as to prevent nuisance or health hazard due to system failure. (RSA 485-A:37)

It is unlawful to discharge any hazardous chemicals or substances into subsurface waste disposal systems. Included are paints, thinners, gasoline and chlorinated hydrocarbon solvents such as TCE, sometimes used to clean failed septic systems and auto parts. (Env-Ws 1503.04)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED BELOW CONDITIONS

1. THIS APPROVAL IS VALID FOR 90 DAYS FROM DATE OF SAID APPROVAL, PER ENV-WS 1003.19.
2. THIS APPROVAL IS GRANTED ONLY TO IMPROVE AN EXISTING SITUATION.
3. APPROVED WITH A COMMUNITY WATER SUPPLY ONLY.
4. APPROVAL FOR UNIT 61.

04/09/2008 ERIC J THOMAS

Approved this date: _____ By: _____
N.H. Department of Environmental Services Staff

Date amended: _____ Amended by: _____ (OVER)

REVISED 8/01

200800969

APPLICANT'S

34-60" 2.5Y5/4 SILTY FINE SANDY LOAM, FREE WATER
ESHWT @ 34", OBS H20 @ 34", NO REFUSAL

CA2008092393

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Signed Eric Thomas
Date 4-9-08

PT

PERC TEST DATA

PERCOLATION TEST NOT POSSIBLE DUE TO CURRENT SATURATION OF SUBGRADE SOILS
(NOT A DETERMINATIVE FACTOR FOR CLEAN SOLUTION SYSTEM)

ADVISE YOUR CONTRACTOR OF REQUIRED CHANGES IN PLANS AS INDICATED IN THIS CONDITIONAL APPROVAL.

DESIGN LOADING: TWO EXISTING 2 BEDROOM MOBILE HOMES FOR TOTAL 4 BEDROOMS (600 GPD)

AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS: 200 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 10' X 30' = 300 SF PROVIDED (DISPERSAL AREA)

RECEIVED APR 08 2008 By Subsurface

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM (#61)

RECEIVED APR 03 2008 By Subsurface

LOCUS: #62 AND #61 HEMLOCK HAVEN
HAMPTON, NH

OWNER: RICHARD AND RUTH BLEY
PO BOX 154
MELVIN VILLAGE, NH 03850-0154

175.0'

S OCCUR,

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
* * *
Ann W. Bialobrzeski
No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: MARCH 10, 2008

APPROVAL: _____

524

WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
11 Hethlon Road, Canterbury, NH 03224

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: info@thecleansolution.com

March 30, 2008

Richard and Ruth Bley
P.O. Box 154
Melvin Village, NH 03850-0154

Dear Richard and Ruth Bley:

Thank you for choosing to use THE CLEAN SOLUTION™ alternative septic system for your two existing two-bedroom manufactured homes located on Lots 60 and 61 on Hemlock Haven road in Hampton NH. Attached are Sales and Maintenance agreements for the system. This agreement describes what you are buying, the required maintenance, your warranty, the price and the terms of sale.

There are three copies:

1. The complete copy is for your records.
2. Return one signed copy of the Inspection Contract to Tocky from Stockton Services Tocky will send the signed copy to NHDES with your subsurface disposal plan submittal. NHDES needs this for their records so that they know that you are aware of the required maintenance.
3. Please sign the second copy of the Sales and Inspection Contract and return it to me with the initial payment about three weeks before the actual installation. I would also like to know the name of your installer at this time so that I can coordinate with them.

I look forward to working with you. Please give me a call me if you would like to discuss the system or the sales agreement.

Sincerely,

Gary R. Spaulding
General Manager

WASTEWATER ALTERNATIVES, INC

11 Hethlon Road, Canterbury, NH 03224

Telephone: 603-783-8042 Toll Free: (866) 900-2514 Fax (603) 783-4499
www.the cleansolution.com email: gary@thecleansolution.com

RESIDENTIAL COMMERCIAL
SALES AGREEMENT
March 30, 2008

BUYER:
Richard and Ruth Bley
P.O. Box 154
Melvin Village, NH 03850-0154
Phone:

SITE CONTACT:

SITE:
TAX MAP 138 LOT NO. 1-40 and 1-41
Lots 60 and 61
Hemlock Haven
Hampton,NH 03842

Property Type:
Commercial: Yes
Residential Community: YES
Code: RC- Residential Commercial

Wastewater Alternatives, Inc. (WAI) agrees to supply a Model *SAN-RC-600 CLEAN SOLUTION™* Sewage Treatment System to the buyer installed at the above site in accordance with the attached specifications and the subsurface disposal plan submitted for **two existing 2 bedroom manufactured homes with an estimated design flow of 600 gpd** by **Stockton Services** and as approved by NHDES. *THE CLEAN SOLUTION* system has been designed based on design parameters provided by the designer / owner. Change of use that results in the increase in daily flow or wastewater strength will require approval by WAI. Approval from NHDES and Local Land Use Boards will be required when applicable.

SHOULD THE ABOVE PROPERTY BE SOLD, THE ABOVE OWNER SHALL PROVIDE THE NEW OWNER WITH A COPY OF THIS AGREEMENT. THE TERMS AND CONDITIONS OF THIS AGREEMENT WILL TRANSFER TO THE NEW BUYER AND BECOME BINDING ON THE NEW OWNER[S].

This Sales Agreement is subject to the following conditions:

1. The buyer has retained a licensed designer and has obtained all necessary approvals from the NHDES and Local Land Use Boards.
2. The buyer will provide WAI with copies of the plans approved by NHDES
3. The buyer has or will have retained a qualified installer licensed by the State to install Subsurface Disposal Systems prior to system installation.
4. This agreement contains a required maintenance schedule. Failure to perform the required maintenance could result in premature failure of the dispersal field and void the warranty of system and system components

WASTEWATER ALTERNATIVES, INC

11 Hethlon Road, Canterbury, NH 03224

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www.the cleansolution.com email: gary@thecleansolution.com

SYSTEM COMPONENTS PROVIDED BY WAI:

WAI will provide the following system components as shown on the attached design schematic and specifications. These components shall be installed as shown on the design plans by a qualified installer licensed by the State of NH to install Subsurface Disposal Systems.

1. A 1750 *gal* 3-*compartment (*1050/300/400*)* standard duty loaded BioCon™ tank to function as a septic tank, aerobic treatment tank and settling tank.
2. Three Plastics access covers and plastic risers to a maximum height of 24". If depth of cover over the top of the tank exceeds 24", the site contractor shall provide additional risers as necessary. Contractor shall ensure that all risers are watertight and that all screws and gaskets are in place and that the cover(s) have been secured. If concrete risers, covers or cast iron covers are used contractor shall use water plug or an equivalent method to ensure water tightness.

WAI will provide the following system components and labor to install components as shown in the attached design schematic and specifications:

1. Plastic Media in BioCon™ and treatment tanks.
2. 1 WAI-SL-88-Compressor, Owner and a WAI will mutually determine placement of the compressor. Compressor needs to be within 50' of the BioCon tank.
3. Oxygen transfer system.
4. Baffles within BioCon™ Chamber.

Electrical Requirements to be provided by Owner:

1. Owner shall be responsible for hiring a licensed electrician.
2. A 120-volt outlet, non-ground fault circuit capable of supplying 1 amp continuously for each compressor. Two circuits may be required. Location of the outlet(s) shall be within 50' of the BioCon Chamber.

Following not provided by WAI:

1. **Two 1000 gallon septic tanks as shown on design plans.**
2. Exterior housing unit for the compressor(s).
3. Exterior Venting may be required for older homes or systems where effluent is pumped to ***The Clean Solution*** system*.*
4. Effluent Pump, control or alarms
5. Provisions for placement of the compressor more than 50' from the BioCon.
6. Excavation for any system components.
7. Crane to set tanks.

All system components supplied by WAI are rated for standard duty loads

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OWNER HAS THE FOLLOWING UNDERSTANDING

The Clean Solution system has been designed based information provide by the owner(s) or owner(s) designer/engineer. Failure to install the subsurface disposal system according to the approved plan will void system warranty and performance specifications. The owner(s) contractor shall ensure that all risers are watertight and all system components, both upstream and downstream of ***The Clean Solution*** system are watertight to prevent infiltration from groundwater and surface runoff. ***The Clean Solution*** system has not been designed to handle backwash discharge from Water Softeners or other high water use fixtures such as hot tubs or spa style showers. WAI recommends that backwash discharge or water from high water use fixtures be discharged into an approved drywell.

PERFORMANCE SPECIFICATIONS:

The system is warranted to discharge clean, odor free water to the dispersal field, equivalent or better than 30mg/l BOD5, 30mg/l TSS based on design estimated wastewater strength and design flows provided by MSC Civil Engineers & Land Surveyors, Inc.

RIGHTS TO DATA AND ACCESS TO THE SYSTEM

WAI reserves the right of reasonable access to collect data, modify, maintain and repair THE CLEAN SOLUTION and its subsystems. WAI will retain all data collected and the rights to it.

DELIVERY

WAI will be prepared to install the system about 3 weeks after you have chosen an installer and returned a signed copy of this agreement, along with the initial payment, to WAI. **It is important that WAI be able to coordinate with the installer, owner to provided WAI with the installers contact information.**

TRADE SECRETS

THE CLEAN SOLUTION is the result of the expenditure of much effort and money. The design of the components and operational cycle are the intellectual property of WAI and may not be revealed without written permission.

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Telephone: 603-783-8042 Toll Free: (866) 900-2514 Fax (603) 783-4499
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WARRANTY FOR COMMERCIAL SYSTEMS

For a period of 5 years, WAI will warranty the components within BioCon™ chamber and repair or replace any of these components, including parts and labor, at no cost to you. This does not cover pumping the system to make necessary repairs.

Warranty for air compressor(s) is limited to the manufacturer's terms and conditions. This covers compressor(s) that have been maintained and used under normal operating conditions. WAI will provide replacement air compressor(s) at cost-plus shipping for compressors not covered under warranty. Labor to replace compressor(s) will be billed out at WAI standard hourly rates.

Warranty of all other types of dispersal fields (i.e. fabric style leaching components) is limited to manufacturer's warranty and not covered by WAI or WAI warranties.

Owner(s) responsibility during this period is to perform the required maintenance outlined in the attached INSPECTION CONTRACT and have an ongoing INSPECTION CONTRACT with WAI or an approved vendor in effect at all times. Failure to perform the required maintenance, have a maintenance agreement, and maintain records of pumping or to notify WAI of any problems will void this warranty. This warranty also does not cover damage caused improper use, poor construction practices, high groundwater, flooding or acts of God.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THE SEWAGE TREATMENT SYSTEM SHALL BE LIMITED IN DURATION TO ONE YEAR.

WASTEWATER ALTERNATIVES INC. SHALL NOT BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. NOR, SHALL WASTEWATER ALTERNATIVES INC. LIABILITY UNDER THIS WARRANTY EXCEED THE PRICE PAID BY THE BUYER to WASTEWATER ALTERNATIVES INC.

WASTEWATER ALTERNATIVES, INC

11 Hethlon Road, Canterbury, NH 03224

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PAYMENT

The agreed upon price for the WAI equipment and services detailed in this agreement is $6350.00

Payment is requested as follows:

$3,175.00 upon signing this agreement
$3,175.00 immediately upon WAI installing system components.

Ownership will transfer to the buyer upon final payment. Failure to pay WAI will void all warrantees.

The price does not include excavation to install the components of this system, dispersal field (leach field), or connections from the building / tanks to or from ***The Clean Solution*** or to the dispersal field. This price does not include additional septic tank(s), effluent pump and controls, compressor shed or other components required by NH Department of Environmental Services – Subsurface Bureau.

THIS PRICE IS VALID FOR 60 DAYS FROM THE DATE OF THIS DOCUMENT. ALL SYSTEMS COMPONENTS MUST BE INSTALLED WITHIN 60 DAYS OF INITIAL DEPOSIT.

Please send payment to:
Wastewater Alternatives Inc.
P.O. Box 670
Groton MA 01450

If Paying by Credit Card please call
WAI Accounting Department
1-978-448-2280

By signing below the owner or owner's representative has read the SALES AGREEMENT and attached MAINTENANCE AGREEMENT requirements and agrees to the terms of the SALES AGREEMENT and to perform the necessary maintenance and inspections as outlined in the MAINTENANCE AGREEMENT.

ACCEPTED:

BUYER:

DATE:

Richard and Ruth Bley
P.O. Box 154
Melvin Village, NH 03850-0154
PHONE:___ - ____- _____

SELLER:

Gary R. Spaulding

DATE:

Wastewater Alternatives, Inc
Gary R. Spaulding
General Manager

WASTEWATER ALTERNATIVES, INC

11 Hethlon Road, Canterbury, NH 03224

Telephone: 603-783-8042 Toll Free: (866) 900-2514 Fax (603) 783-4499
www.the cleansolution.com email: gary@thecleansolution.com

RESIDENTIAL COMMERCIAL INSPECTION CONTRACT
March 30, 2008

BUYER:
Richard and Ruth Bley
P.O. Box 154
Melvin Village, NH 03850-0154
Phone:

SITE CONTACT:

SITE:
TAX MAP 138 LOT NO. 1-40 and 1-41
Lots 60 and 61
Hemlock Haven
Hampton,NH 03842

Property Type:
Commercial: Yes
Residential Community: YES
Code: RC- Residential Commercial

MAINTENANCE REQUIRED:

The following maintenance is required. It is the owner's responsibility to see that this maintenance is performed.

☐ **Commercial Use**

1. **Property that discharges low strength wastewater. (Residential) an annual inspection by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections is required. Inspection schedule maybe modified by WAI based on system function after first inspecation.**
2. Property that discharges high strength wastewater (i.e restaurants – coffee shops – ice cream) an inspection by a WAI Technician or by a company or individual that has been certified by WAI to perform inspections is required every six months. Inspection schedule maybe modified by WAI based on system function.
3. **Pump out the septic tank(s) on a two-year cycle. Depending upon use more frequent pumping may be required. WAI will determine if more frequent pumping is required. Owner to schedule and pay for pumping cost. Owner must retain all pumping records.**
4. **Pump out the settling chamber and pump chamber will be determined at initial pumping. Frequency of pumping is dependent upon use and may need to be increased as use changes or flow increases. System shall be pumped on a 2-year cycle at a minimum. Property owner must retain pumping records.**
5. Grease traps must be inspected every 2 months and pumped as necessary.
6. **Compressor(s) must run on continuously. Owner to check compressor(s) at least once a month.**

WASTEWATER ALTERNATIVES, INC
11 Hethlon Road, Canterbury, NH 03224

Telephone: 603-783-8042 Toll Free: (866) 900-2514 Fax (603) 783-4499
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MAINTENANCE REQUIRED cont:

7. **BioCon chamber may require pumping between 4 and 6 years. WAI Technician will determine if pumping is necessary during annual inspection.**
8. **Compressor Air Filter to be cleaned or replaced yearly.**
9. **Wastewater sampling shall be completed at the following frequency.**
    a. Restaurants – every 6 months for the first year. Sampling on an annual basis after first year. Frequency of sampling may be revised. Change in frequency of wastewater sampling may only be changed by WAI.
    b. Residential Community Systems – every 12 months. Frequency of sampling may be revised. Change in frequency of wastewater sampling may only be changed by WAI.
    c. **Residential Commercial systems – IF NEEDED. Frequency of sampling may be revised. Change in frequency of wastewater sampling may only be changed by WAI**.

Following the above schedule will fulfill your obligations to maintain your warranty.

The first inspection is included in the sales price. The service will include a detailed inspection of the system, replacement of any failed items within the BioCon Chamber. Tank pumping is not included in the price and must be arranged by the property owner. Failure to maintain a maintenance agreement with WAI or an approved vendor will void maintenance warranty outlined in the **Sales Agreement.**

INSPECTION FEE SCHEDULE
Restaurant inspections – fee is $150.00 per inspection plus cost of wastewater sampling and the cost of replacement parts not covered by warranty.

All other commercial projects – fee is $200.00 per inspection plus wastewater sampling if required and the cost of replacement parts not covered by warranty.

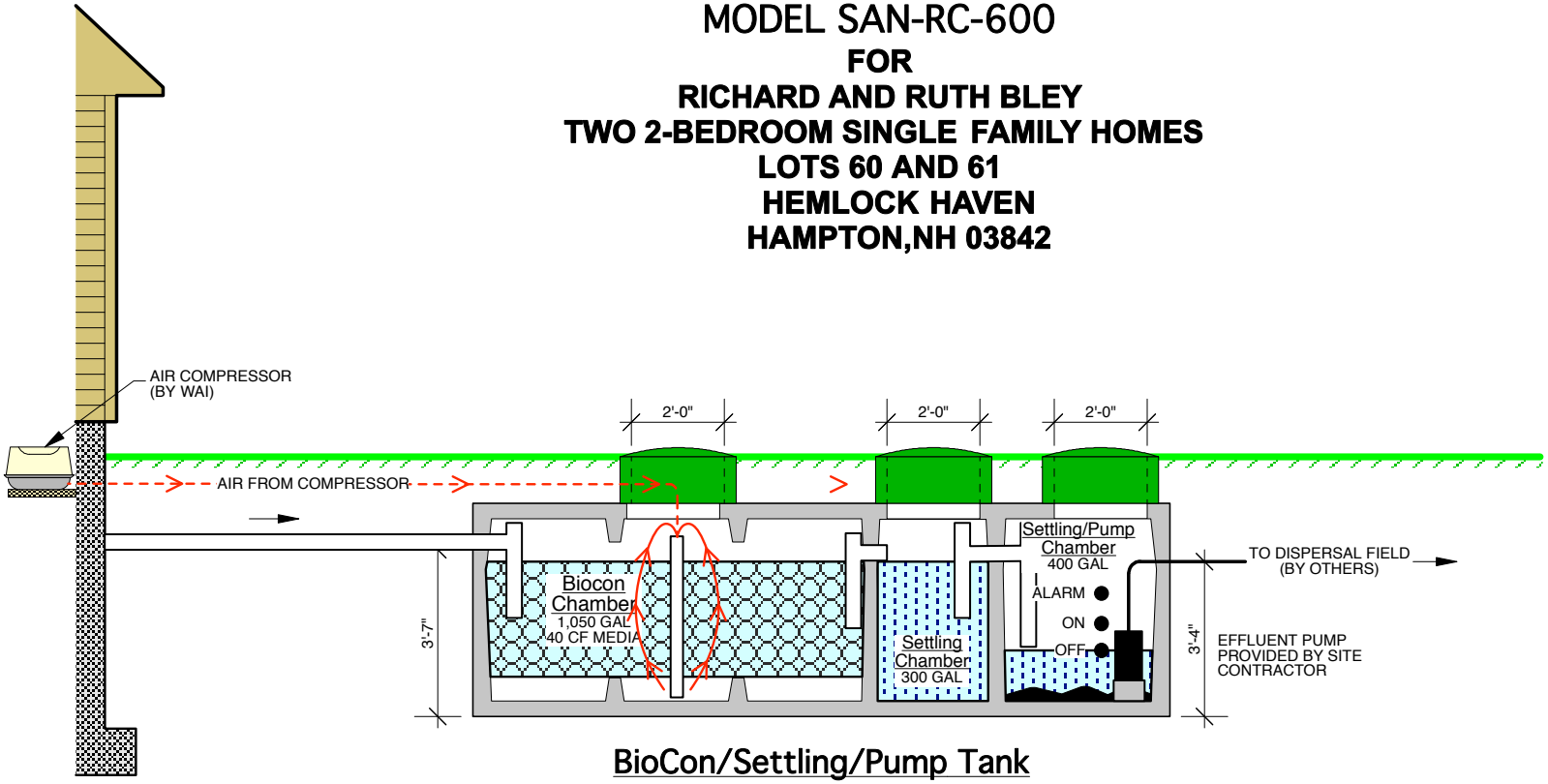
Inspection fees may be revised by WAI as needed to adjust cost of services. WAI to notify owner of any cost increases. Inspection fees will be billed at time of service. Failure to perform inspection or pay for inspection will void WAI warranty.

By signing below the owner or owner's representative has read the above Maintenance requirements and conditions of attached SALES AGREEMENT and agrees to perform the necessary maintenance and inspections as outlined.

ACCEPTED:

DATE:
Richard and Ruth Bley
P.O. Box 154
Melvin Village, NH 03850-0154
Phone:

THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM
MODEL SAN-RC-600
FOR
RICHARD AND RUTH BLEY
TWO 2-BEDROOM SINGLE FAMILY HOMES
LOTS 60 AND 61
HEMLOCK HAVEN
HAMPTON,NH 03842



BioCon/Settling/Pump Tank
1,750 GAL 3 Compartment Tank
(15'0"L x 6'6"W x 4'7"H)

Tank from:
Phoenix Precast Products
Concord, NH 03301
1-800-639-2199

NOTES:
1. Septic/Settling Compartments must be pumped every 2.5 years. More frequent pumping may be required depending on use.
2. Tank is not suitable for drive on use. Heavy Duty and H-20 models available.
3. Contractor to verify tank dimensions prior to setting.
4. Pump to be provided by Site Contractor to meet site conditions. Pump to be placed on 8" high concrete block and to have off, on and alarm floats with high water alarm. Pump and alarm to be on separate circuits. Wiring to be provided by site contractor or home owner.
5. Plastic risers will be provided to suite site (up to 12" depth).

TITLE Richard and Ruth Bley P.O. Box 154 Melvin Village, NH 03850-0154	Date 03-30-08 Rev.	WASTEWATER ALTERNATIVES, INC. **THE CLEAN SOLUTION™** 11 Hethlon Road Canterbury, NH 03224 Tel. 1-866-900-2415 Fax. 603-783-4499 www.thecleansolution.com

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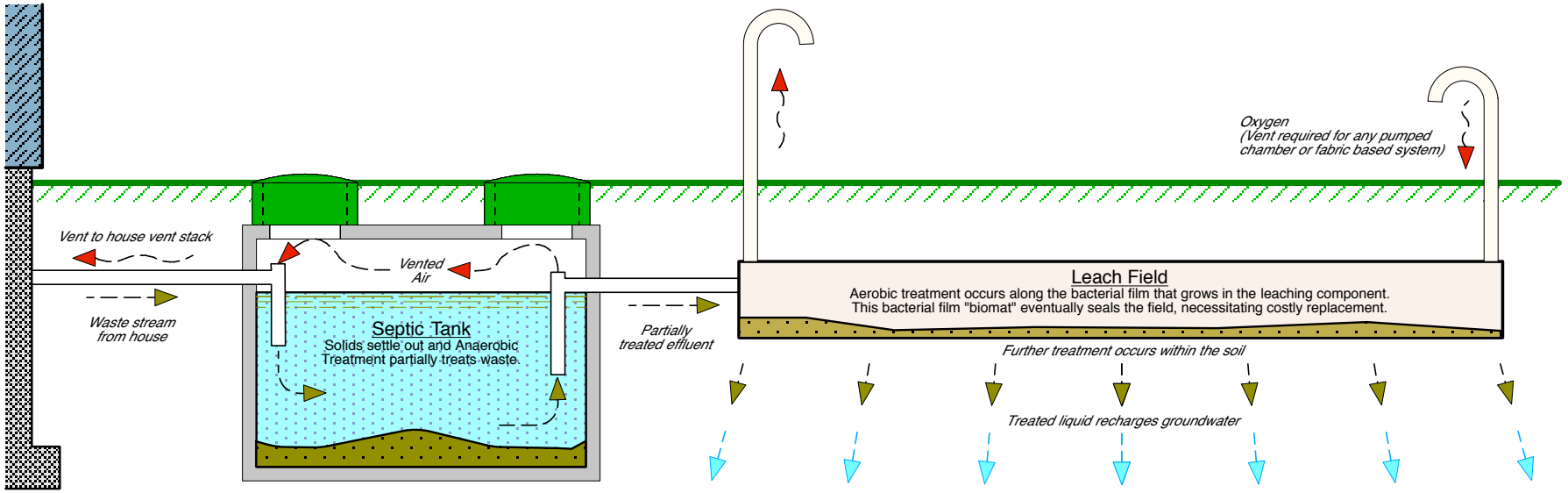
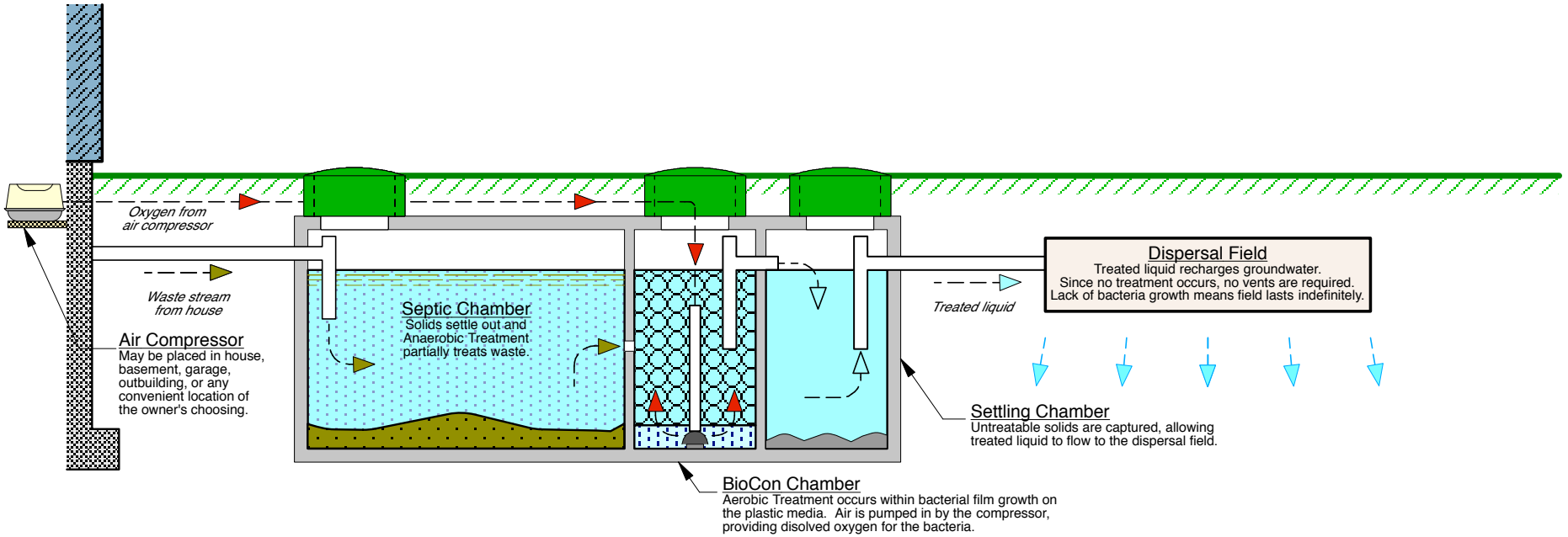

Oxygen
(Vent required for any pumped
chamber or fabric based system)
Vent to house vent stack
Vented
Air
Waste stream
from house
Septic Tank
Solids settle out and Anaerobic
Treatment partially treats waste.
Partially
treated effluent
Leach Field
Aerobic treatment occurs along the bacterial film that grows in the leaching component.
This bacterial film "biomat" eventually seals the field, necessitating costly replacement.
Further treatment occurs within the soil
Treated liquid recharges groundwater

LEACH FIELD BASED SEPTIC SYSTEM

Treatment occurs within the leach field components, whether fabric wrapped pipes or mats, concrete or plastic chambers or traditional pipe & stone.



THE CLEAN SOLUTION™ ALTERNATIVE SEPTIC SYSTEM

Treatment occurs within the BioCon™ Aerobic treatment chamber, allowing for a dispersal area smaller than a leach field.

WASTEWATER ALTERNATIVES, INC.
THE CLEAN SOLUTION™
11 Hethlon Road
Canterbury, NH 03224
Tel. 1-866-900-2415 Fax. 603-783-4499
www.thecleansolution.com

WASTEWATER ALTERNATIVES, INC
developing innovative solutions with sustainable results
11 Hethlon Road, Canterbury, NH 03224

Telephone: 603-783-8042 Toll Free: (866) 900-2415 Fax (603) 783-4499
www.thecleansolution.com email: info@thecleansolution.com

THEORY of *THE CLEAN SOLUTION*

Conventional small to mid-size sewage systems normally use a septic tank followed by a leach field to first provide anaerobic (without air) and then aerobic (with air) treatment of the effluent. Septic tanks work well for capturing and digesting the solids, which are anaerobically fermented over a long period of time, dissolving the solids into the liquid waste. However, a septic tank is not designed to treat the contaminants that dissolve in the liquids. These are treated aerobically in the leach field. Municipal systems, which handle very large volumes of wastewater use different equipment to accomplish the same biological functions: primary sedimentation tanks remove solids, and a subsequent aerobic system treats the contaminants dissolved in the liquids. Settled solids are removed from municipal primary and secondary facilities for further treatment.

All aerobic treatment systems, whether a conventional leach field, municipal treatment plant, or *THE CLEAN SOLUTION*, depend on bacteria to purify the effluent from a solids settling system. In order for bacteria to reproduce they require energy (food) and air. By using the contaminants in the effluent as food and atmospheric air the bacteria metabolize the dissolved solids to carbon dioxide, water and sludge (colonies of bacteria). The aerobic bacteria also convert ammonia compounds to nitrates.

A large number of bacteria need to come in contact with the food source in order to purify an effluent. Treatment systems utilize different methods to provide the necessary bacteria population. A municipal system mechanically stirs up the bacteria in the secondary treatment process so that they will contact their food and not settle out of the effluent. In a leach field, the sludge (biomat) that forms at the ground interface is a large colony of bacteria through which the dissolved solid stream flows. In *THE CLEAN SOLUTION* the bacteria collect in a thin film on the plastic media in WAI'S proprietary BioCon biological contactor, the effluent is circulating over the plastic media several times.

THE CLEAN SOLUTION uses the same biological process as a municipal secondary treatment plant utilizing the activated sludge process. Solids are settled out and air is added for bacteria respiration in the BioCon. This allows the bacteria to convert the carbonaceous dissolved solids to carbon dioxide, water and sludge. In addition the urea and ammonia converts to nitrates and sludge. The sludge created is settled for periodic removal from the system, and a clean, odorless effluent is discharged to the dispersal field.

The major difference between a conventional septic system and *THE CLEAN SOLUTION* is where the bacteria (sludge) collect. In a conventional system, the sludge forms in the bottom of the leach field and restricts the effluent flow enough so that the bacteria has time to act. This flow rate through the sludge determines the required field size. In *THE CLEAN SOLUTION* system the sludge is formed in the BioCon chamber resulting in treated, clear effluent discharging to the dispersal field. This field can be greatly reduced in size because there is no for further treatment to reduce BOD and TSS.